



3M Science.
Applied to Life.™

3M™ Power Tools and Accessories

A full family of innovative tools
to optimize abrasive performance
and maximize productivity.



3M™ Replacement Parts

Benefits

- Detailed schematic and parts list found in the tool instruction manual make it easy to identify the part(s) you need
- Each and every part is available individually and in stock
- Replacement parts are easy to find and order online 24/7 at [3M.com/PowerTools](https://www.3m.com/PowerTools)
- Genuine 3M replacement parts will provide new tool performance after maintenance and repair tasks are performed

Genuine 3M™ Replacement Parts are engineered specifically for your 3M™ Power Tools. All replacement parts meet the same specifications and design criteria as the original components. You can be assured the replacement parts will be identical in terms of fit, form, and function in comparison to the original parts, which will get your 3M™ Power Tools back in action.

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Features of 1.5 HP Tools

- 1 Insulated rear handle with 3M™ Gripping Material
- 2 Aerospace grade aluminum and surface coating (MIL-A-8625, Type III)
- 3 Fully machined angle head and motor housing provides superior strength and durability
- 4 Spindle lock and provided spanner wrench make abrasive changes easy
- 5 Oiler screw and 3M™ Gear Oil 28827 eliminates messy grease guns and tubes; Drops of oil provided to angle head can be visually confirmed, ensuring appropriate lubrication has been applied
- 6 Quick release clamp allows the infinitely adjustable guard to be repositioned without the use of hand tools
- 7 Spindle-mounted autobalancer and vibration isolating side handle minimizes vibration felt by the operator

3M™ Grinders — Type 27

3M™ Grinders — Type 27

- Heavy duty gear heads for added durability under high force applications
- 3M™ Gripping Material for reduced vibration and a secure grip with less effort
- Repositionable steel guards for better visibility



Model No.	Tool Dia. Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Thread Size	UPC
NEW 28403	4 (100)	1 (744)	12,000	37 (1,048)	3.5 (1.6)	9 (216)	5 (114)	3/8" NPT	3/8-24 EXT	051141-28403-3
NEW 28405	4-1/2 (114.3)	1 (744)	12,000	37 (1,048)	3.7 (1.7)	9 (216)	5 (119)	3/8" NPT	5/8-11 EXT	051141-28405-7
28824	4-1/2-5 (114.3-127)	1.5 (1,120)	12,000	40 (1,133)	5.3 (2.4)	11 (279)	4 (105)	1/2" NPT	5/8-11 EXT	051141-28824-6



Internal Feature: Kevlar reinforced vanes increase tool life and help to provide consistent power

Features of 2nd Generation 0.3 HP and 0.5 HP Disc Sanders

- 1 Ergonomic black jacket dampens vibration and insulates operator from temperature extremes
- 2 Ergonomic safety lever
- 3 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions
- 4 97° heavy-duty head design provides optimal work piece visibility and ergonomics
- 5 Larger gear sets, spindle bearings and new seals (for increased durability)
- 6 Direct backup pad/abrasive mount to tool creates less vibration and makes tool easier to control

Features of 2nd Generation 1 HP Right Angle Tools

Internal Feature: Kevlar reinforced vanes increase tool life and help to provide consistent power

- 1 Fully machined steel motor housing provides strength and durability
- 2 Wrench flats and overhose interface allow easier maintenance and compatibility with accessories
- 3 Spindle shaft and housing o-ring seal minimize external contaminants from entering the tool
- 4 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions
- 5 No maintenance required. Heavy duty gearsets designed to last the life of the tool.

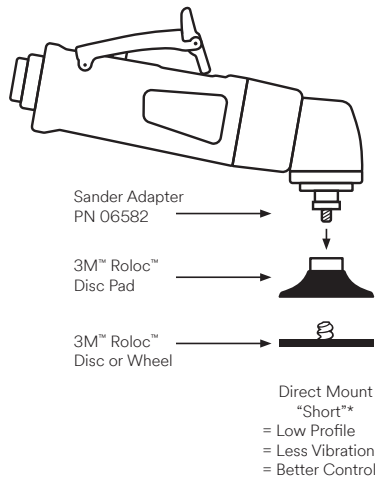


Versatile Attachment System

SHORT*

“Direct Mount” Backup Pad Attachment:

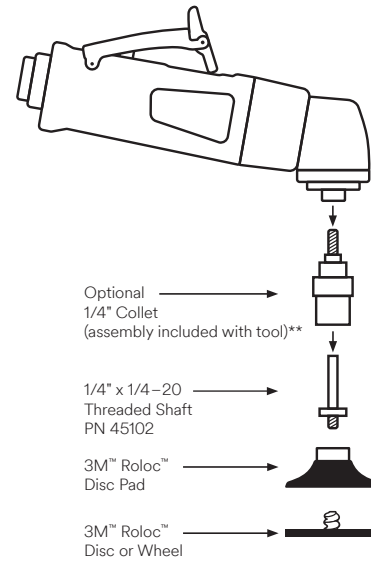
Shorter distance to the work piece generates less vibration and allows for better operator control.



TALL

1/4" Collet Option:

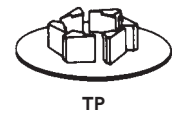
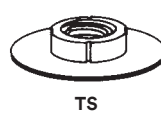
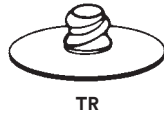
Allows for longer reach and mounting of other abrasives and 1/4" accessories.



*Direct mount to disc pad.

**For other collet inserts see Owners Manual for part numbers.

3M™ Roloc™ Attachment Systems



3M™ Disc Sanders

3M™ Disc Sanders

- 3M™ Gripping Material for reduced vibration and a secure grip with less effort
- 97° head for decreased wrist strain
- Easy-handling, compact design for less vibration
- 3M™ Roloc™ Disc Pads can directly mount to sander without collet
- 1/4" collet included with all 2" and 3" disc sanders



Model No.	Tool Dia. Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
28341	2 (51)	0.3 (224)	20,000	17 (481)	1.1 (0.5)	6 (150)	3 (63)	1/4" NPT	1/4"	051141-28341-8
28328	2-3 (51-76)	0.3 (224)	12,000	17 (481)	1.1 (0.5)	7 (172)	3 (64)	1/4" NPT	1/4"	051141-28328-9
20231	2 (51)	0.5 (372)	20,000	26 (736)	1.3 (0.6)	7 (172)	3 (70)	1/4" NPT	1/4"	051141-20231-0
28329	2-3 (51-76)	0.5 (372)	12,000	26 (736)	1.3 (0.6)	7 (172)	3 (70)	1/4" NPT	1/4"	051141-28329-6
NEW 20232	2-3 (51-76)	1 (744)	15,000	37 (1,048)	3.1 (1.4)	8 (210)	3 (83)	3/8" NPT	1/4"	051141-20232-7
NEW 28408	4-5 (100-127)	1 (744)	12,000	37 (1,048)	3.1 (1.4)	8 (210)	4 (107)	3/8" NPT	1/4"	051141-28408-8
28825	4-1/2-5 (114.3-127)	1.5 (1,120)	12,000	40 (1,133)	4.9 (2.2)	11 (279)	4 (102)	1/2" NPT	1/4"	051141-28825-3

3M™ Disc Sanders

3M™ Pistol Grip Disc Sander

- Lightweight, low cost alternative to production tools for customers who need a tool for spot duty or intermittent use
- Excellent balance and generates less noise and vibration than other disc sanders
- Durable composite body for ergonomic feel
- Dual mount feature allows user to switch between direct mount (for maximum control) and collet mount (for extended reach); 1/4" collet included



Model No.	PSI	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Thread Size	UPC
28547	90	3 (76)	15,000	0.45 (336)	Rotary	23 (651)	74 (85)	1.8 (0.8)	5 (122)	5 (136)	1/4-20 EXT	051141-28547-4

3M™ Pistol Grip Random Orbital Disc Sander

- Primarily intended for sanding in the automotive market
- Powerful, lightweight tool with excellent balance
- Durable composite body for ergonomic feel
- Pistol grip design allows you to sand in hard-to-reach areas such as those found in door jambs, bumpers, headlight lens, etc. with ease



Model No.	PSI	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Thread Size	UPC
28353*	90	3 (76)	15,000	0.45 (336)	1/8 (3)	22 (623)	75 (82)	1.8 (0.8)	5 (122)	5 (136)	5/16-24 EXT	051141-28353-1

*Replacement Pad PN20427

Collet Insert Availability for 3M™ Disc Sanders



Tool Model No.	HP	RPM	Length	Collet Insert Size and Part Number				
				1/4" (06528)	1/8" (06529)	3/16" (06530)	3 mm (06540)	6 mm (06541)
28341	0.3	20,000	Regular	■	■	■	■	■
28328	0.3	12,000	Regular	■	■	■	■	■
20231	0.5	20,000	Regular	■	■	■	■	■
28329	0.5	12,000	Regular	■	■	■	■	■
20232	1	15,000	Regular	■	■	■	■	■

Disc Sander Accessories

3M™ Disc and Wheel Accessories



Part No.	Size	Description	For Use With
28476	2-1/2" Diameter, 5/8–11 INT	Disc Pad Hub — Low Profile	Fibre Discs, 4-1/2" and 5"
45205	2-1/2" Diameter, 5/8–11 INT	Disc Pad Hub — Standard Profile	Fibre Discs, 4-1/2" and 5"
28442	2-1/2" Diameter, 3/8–24 INT	Disc Pad Hub — Low Profile	Fibre Discs, 4-1/2" and 5"
28656	4" Diameter	Disc Pad Face Plates — Ribbed; Red; Extra Hard	Fibre Discs, 4" x 7/8" CH
28657	4" Diameter	Disc Pad Face Plates — Ribbed; Black; Hard	Fibre Discs, 4" x 7/8" CH
28658	4" Diameter	Disc Pad Face Plates — Ribbed; Gray; Medium	Fibre Discs, 4" x 7/8" CH
28443	4-1/2" Diameter	Disc Pad Face Plates — Ribbed; Red; Extra Hard	Fibre Discs, 4-1/2" x 7/8" CH
14270	4-1/2" Diameter	Disc Pad Face Plates — Smooth; Black; Hard	Fibre Discs, 4-1/2" x 7/8" CH
13325	4-1/2" Diameter	Disc Pad Face Plates — Smooth; Gray; Medium	Fibre Discs, 4-1/2" x 7/8" CH
81732	5" Diameter	Disc Pad Face Plates — Ribbed; Red; Extra Hard	Fibre Discs, 5"
81733	5" Diameter	Disc Pad Face Plates — Ribbed; Black; Hard	Fibre Discs, 5"
81734	5" Diameter	Disc Pad Face Plates — Ribbed; Gray; Medium	Fibre Discs, 5"
51047	5/8–11 INT	Disc Retainer Nuts — 5/16" Depth	Fibre Discs, 4-1/2" and 5"
05622	5/8–11 INT	Disc Retainer Nuts — 3/8" Depth	Fibre Discs, 4-1/2" and 5"
56573	4-1/2" Diameter	NTN Backup Pad	3M™ Abrasives with Tinneman Nut Attachment, 4-1/2" (Excludes 3M™ Green Corps™ and General Purpose Wheels)
50146	4-1/2" Diameter	3M™ Green Corps™ Flexible Grinding Disc Backup Plate	Bonded Wheels, 4-1/2"
88765	5/8–11 INT	Flap Disc Adaptor Nut	Flap Discs, 4-1/2" x 7/8" CH
28739	1" x 5/8" x 3/8–24 INT	Flange Nuts	Wheels, 4" x 5/8" CH on 4" Grinders 28403 and 28413
28740	1" x 5/8–11 INT	Flange Nuts	Wheels, 4" x 5/8" CH on 4-1/2" Grinders 28405 and 28414

3M™ Disc Pad Holders (Hook and Loop)

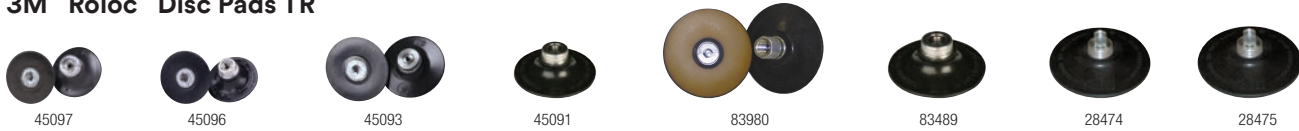


Part No.	Size	Thickness	Thread Size	Density	Hook Type	UPC	MOQ
9215	1-1/2" x 1/4" Shank	1/8"	—	Firm	5	048011-04130-8	10
922	2" x 1/4" Shank	1/8"	—	Firm	5	048011-07494-8	1
923	3" x 1/4" Shank	1/8"	—	Firm	5	048011-04132-2	1
924	4" x 1/4" Shank	1/16"	—	Firm	5	048011-07492-4	5
914	4" x 3/8" CH	1/8"	5/8–11 INT	Firm	7	048011-05674-6	1
9145	4-1/2" x 3/8" CH	1/8"	5/8–11 INT	Firm	7	048011-14111-4	1
905	5"	1/4"	5/16–24 EXT	Medium	7	048011-09448-9	1
NEW 28890 (915CP)	5" x 7/8" CP*	1/4"	5/8–11 INT	Medium	7	051141-28890-1	1
NEW 28891 (9145CP)	4-1/2" x 7/8" CP*	1/4"	5/8–11 INT	Medium	7	051141-28891-8	1
NEW 28892 (914CP)	4" x 7/8" CP*	1/4"	5/8–11 INT	Firm	7	051141-28892-5	1

*CP = Center Post, for use with 7/8" center hole Scotch-Brite™ Discs

Disc Sander Accessories

3M™ Roloc™ Disc Pads TR



Part No.	Max RPM	Size Inch (mm)	Attachment	Density Rating	Thread Size	UPC	MOQ
45097	25,000	2 (51)	TR	Extra Hard	1/4-20 INT	051144-45097-8	5
45096	25,000	2 (51)	TR	Hard	1/4-20 INT	051144-45096-1	5
45093	20,000	3 (76)	TR	Extra Hard	1/4-20 INT	051144-45093-0	5
45091	20,000	3 (76)	TR	Hard	1/4-20 INT	051144-45091-6	5
83980	12,000	4 (102)	TR	Extra Hard	5/8-11 INT*	051144-83980-3	5
83489	12,000	4 (102)	TR	Hard	5/8-11 INT*	051144-83489-1	5
28474	12,000	4 (102)	TR	Hard	3/8-24 INT*	051141-28474-3	5
28475	12,000	4 (102)	TR	Extra Hard	3/8-24 INT*	051141-28475-0	5

*Extended thread; no spacers required

3M™ Roloc™ Disc Pads TS/TSM



Part No.	Max RPM	Size Inch (mm)	Attachment	Density Rating	Thread Size	UPC	MOQ
77728	30,000	1-1/2 (38)	TS/TSM	Hard	1/4-20 INT	051144-77728-0	5
14212	25,000	2 (51)	TS/TSM	Hard	1/4-20 INT	051144-14212-5	5
14216	20,000	3 (76)	TS/TSM	Hard	1/4-20 INT	051144-14216-3	5
28576	12,000	4 (102)	TS/TSM	Hard	3/8-24 INT	051141-28576-4	5
28577	12,000	4 (102)	TS/TSM	Extra Hard	3/8-24 INT	051141-28577-1	5
28578	12,000	4 (102)	TS/TSM	Hard	5/8-11 INT	051141-28578-8	5
28579	12,000	4 (102)	TS/TSM	Extra Hard	5/8-11 INT	051141-28579-5	5

3M™ Roloc™ Cool Running Disc Pads



Part No.	Max RPM	Size Inch (mm)	# of Holes	Attachment	Density Rating	Thread Size	UPC	MOQ
82974	20,000	2 (51)	6	TR	Medium	1/4-20 INT	051144-82974-3	5
28711	20,000	2 (51)	6	TS/TSM	Hard	1/4-20 INT	051141-28711-9	5
82975	12,000	3 (76)	6	TR	Medium	1/4-20 INT	051144-82975-0	5
28710	12,000	3 (76)	6	TS/TSM	Hard	1/4-20 INT	051141-28710-2	5
02286	15,000	4 (102)	8	TR	Hard	3/8-24 INT	051111-56479-0	5
28473	15,000	4 (102)	8	TR	Hard	5/8-11 INT*	051141-28473-6	5
28580	15,000	4 (102)	8	TS/TSM	Hard	3/8-24 INT	051141-28580-1	5
28581	15,000	4 (102)	8	TS/TSM	Hard	5/8-11 INT*	051141-28581-8	5

*Extended thread; no spacers required

Disc Sander Accessories



3M™ Hookit™ Roloc™ Disc Pads TR

Part No.	Max RPM	Max OPM	Size Inch (mm)	Attachment	Shape	Density Rating	Hook Type	UPC	MOQ
82564	8,000	10,000	1 (25)	TR	15°	Medium	2	051144-82564-6	10
67415	10,000	10,000	1-1/16 (27)	TR	15°	Medium	1	051111-60311-6	20
82565	8,000	10,000	1-1/2 (38)	TR	15°	Medium	2	051144-82565-3	5
82566	8,000	10,000	2 (51)	TR	15°	Medium	2	051144-82566-0	5
82567	8,000	10,000	3 (76)	TR	15°	Medium	2	051144-82567-7	1

3M™ Disc Holder Adapter No. 9

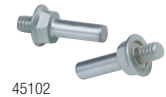
Converts your 3/8–24 disc sander to accept 5/8–11 disc pads

Part No.	Thread Size	UPC	MOQ
22970	5/8–11 EXT x 3/8–24 INT	048011-22970-6	1



3M™ Roloc™ Shank

Part No.	Shank Size	Thread Size	UPC	MOQ
45102	1/4"	1/4–20 EXT	051144-45102-9	5



3M™ Match and Finish Sander

3M™ Match and Finish Sander

- Easy-to-operate tool for generating straight line finishes for stainless steel and other metals
- Use with Scotch-Brite™ Match and Finish Flap Brushes and 3M™ Rubber Slotted Expander Wheels



Model No.	Max RPM	Motor HP (W)	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Shaft Size	UPC
NEW 28659	3,500	1 (744)	37 (1,048)	5.6 (2.5)	14 (343)	3/8" NPT	5/8–11 EXT	051141-28659-4

Match and Finish Sander Accessories

3M™ Rubber Slotted Expander Wheel and Adapter Kit



Part No.	Size	Description	UPC
28718	5" x 3-1/2" x 1" AH	Rubber slotted expander wheel for use with 3-1/2" x 15-1/2" belts	051141-28718-8
28719	1" x 5/8–11 INT	Wheel Adapter Kit to mount 28718 wheel on 3M™ Match and Finish Sander	051141-28719-5

3M™ Inline Sander

3M™ Inline Sander — 1 HP (744W)

- Generate straight line scratches for finishing stainless steel and other metals
- Use with inflatable or slotted wheel accessories and many other wheel products



28339

Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Shaft Size	UPC
NEW 28339	3,500	37 (1,048)	90 (102)	3.3 (1.5)	9 (216)	3/8" NPT	5/8"–11 EXT	051141-28339-5

Inline Sander Accessories

3M™ Rubber Slotted Expander Wheels



77722

28348

28349

28718

Part No.	Size	Description	UPC
77722	3" x 3" x 5/8–11 INT	Rubber slotted expander wheel for use with 3" x 3" bands	051144-77722-8
28348	5" x 3-1/2" x 5/8" AH	Rubber slotted expander wheel for use with 3-1/2" W x 15-1/2" L belts	051141-28348-7
28349	3-2/5" x 3" x 5/8" AH	Rubber slotted expander wheel for use with 3" W x 10-11/16" L belts	051141-28349-4
28718	5" x 3-1/2" x 1" AH	Rubber slotted expander wheel for use with 3-1/2" W x 15-1/2" L belts	051141-28718-8

3M™ Wheel Adapter Kits*

- Fits wheels with 5/8" or 1" AH

Part No.	Thread Size	Description	UPC	Case Quantity
45038	5/8–11 INT x 5/8–11 EXT	For use with Expander Wheels	051144-45038-1	1
04019	5/8–11 INT x 5/8–11 EXT	For use with Scotch-Brite™ Wheels	048011-04019-6	1
28419	5/8–11 INT x 1/2–20 EXT	For use with 1/2" Center Hole Wheels	051141-28419-4	1



45038

*Kits include spacers, flanges and end nuts to mount expander wheels and other Scotch-Brite™ Wheels.

3M™ Replacement Spacers

Part No.	Description	UPC	Case Quantity
28636	1" OD x 5/8" ID x 3/8" thick	051141-28636-5	1
28637	1" OD x 5/8" ID x 3/16" thick	051141-28637-2	1



28636

28637

3M™ File Belt Sander and Kit

3M™ File Belt Sander and Kit

- Great for deburring, cleaning, blending and finishing in tight or hard-to-reach areas
- Balanced weight distribution and 3M™ Gripping Material for improved ergonomics and reduced wrist strain
- 360° rotatable housing and handle for the ultimate in versatility
- Attached belt cover won't fall off during belt changes
- Optimized belt speed for 3M™ Abrasive Belts and Scotch-Brite™ Belts




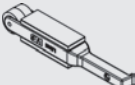





Model No.	Motor	Max RPM	Belt Speed SFPM (SMM)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)	UPC
28366	0.6 HP	22,000	4990 (1521)	28 (793)	81 (90)	2.8 (1.3)	15 (370)	3 (75)	6 (151)	051141-28366-1
28367	Kit includes Molded Case, File Belt Sander (PN28366) and two Attachment Arms (PNs 28368, 28370)									051141-28367-8


File Belt Sander Accessories

3M™ File Belt Sander Attachment Arms



Part No.	Use With Belt Size	Description	UPC	Case Quantity
 28368	1/2" x 18"	Standard Style: Standard arm included with 3M™ File Belt Sander (PN28366). Sand with contact wheel or platen.	051141-28368-5	1
 28369	1/2" x 18"	Thin Style: Thinner than standard arm. Sand with contact wheel or platen.	051141-28369-2	1
 28370	1/8" x 18" 1/4" x 18" 1/2" x 18"	Corners Style: Sand corners and grooves with contact wheel. Accommodates three belt widths.	051141-28370-8	1
 28371	5/8" x 18" 3/4" x 18"	Thick Standard Style: Thicker than standard arm. Sand with contact wheel or platen. Accommodates two belt widths.	051141-28371-5	1
 28372	1/8" x 18" 1/4" x 18"	Corners Style: Sand corners and grooves with contact wheel. Accommodates two belt widths.	051141-28372-2	1
 28374	1/2" x 18"	Curved Arm: Unique curved arm used for blending flat areas. Sand with contact wheel or platen.	051141-28374-6	1
 28375	1/4" x 24" 1/2" x 24"	Vessel Arm: Unique large arm used for blending weld seams. Sand with 4" contact wheel. Includes tracking/control knob. Accommodates two belt widths.	051141-28375-3	1

3M™ File Belt Sander Extension

Part No.	Description	UPC	Case Quantity
 28376	Use to extend arms to 24" length. Can be used with same attachment arm used for 18" length arms.	051141-28376-0	1





Internal Feature: Kevlar reinforced vanes increase tool life and help to provide consistent power

Features of 2nd Generation 0.3 HP and 0.5 HP Die Grinders

- 1 Ergonomic black jacket dampens vibration and improved grip
- 2 Ergonomic safety lever
- 3 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions
- 4 Shrouded clamp nut resists debris entry into tool



Internal Feature: Kevlar reinforced vanes increase tool life and help to provide consistent power

Features of 2nd Generation 1 HP Die Grinders

- 1 Fully machined steel motor housing provides strength and durability
- 2 Wrench flats and overhose interface allow easier maintenance and compatibility with accessories
- 3 Spindle shaft and housing o-ring seal minimize external containments from entering the tool
- 4 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions

3M™ Die Grinders

3M™ Die Grinders — 0.3 HP (224W)

- Ideal for light-duty applications such as deburring, blending, finishing and polishing in intricate and hard-to-reach areas
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
28630	25,000	17 (481)	86 (98)	1.4 (0.6)	10 (248)	1 (35)	1/4" NPT	1/4"+	051141-28630-3
28629	25,000	17 (481)	78 (90)	0.9 (0.4)	6 (152)	1 (35)	1/4" NPT	1/4"+	051141-28629-7
28628	18,000	17 (481)	80 (92)	1.5 (0.7)	11 (267)	1 (35)	1/4" NPT	1/4"+	051141-28628-0
28627	18,000	17 (481)	79 (91)	1.2 (0.5)	7 (184)	1 (35)	1/4" NPT	1/4"+	051141-28627-3

*Includes 1/8" collet insert (PN55772)

3M™ Die Grinders — 0.5 HP (372W)

- Ideal for medium-duty applications such as polishing, buffing, shaping and deburring
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
28330	18,000	26 (736)	87 (99)	1.1 (0.5)	7 (175)	3 (70)	1/4" NPT	1/4"	051141-28330-2
28331	18,000*	26 (736)	87 (99)	1.5 (0.7)	11 (270)	3 (70)	1/4" NPT	1/4"	051141-28331-9
28332	4,000	26 (736)	87 (99)	1.6 (0.7)	9 (200)	3 (70)	1/4" NPT	1/4"	051141-28332-6

*With extension

3M™ Die Grinders — 1 HP (744W)

- Excellent for big jobs such as weld or stock removal
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
NEW 20237	20,000	37 (1,048)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	1/4"	051141-20237-2
NEW 20238	18,000	37 (1,048)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	1/4"	051141-20238-9
NEW 28770	18,000	37 (1,048)	3.0 (1.4)	13 (318)	3 (73)	3/8" NPT	1/4"	051141-28770-6
NEW 20239	12,000	37 (1,048)	2.6 (1.2)	9 (200)	3 (81)	3/8" NPT	1/4"	051141-20239-6
NEW 20240	8,000	37 (1,048)	2.6 (1.2)	9 (200)	3 (81)	3/8" NPT	1/4"	051141-20240-2

Collet Insert Availability for 3M™ Die Grinders



Tool Model No.	HP	RPM	Length	Collet Insert Size and Part Number								
				1/8" (06573)	1/8" (55772)	3/16" (06574)	1/4" (06575)	1/4" (55752)	3/8" (06545)	3 mm (06576)	6 mm (06577)	8 mm (06546)
28630	0.3	25,000	Extended		■				■			
28629	0.3	25,000	Regular		■				■			
28628	0.3	18,000	Extended		■				■			
28627	0.3	18,000	Regular		■				■			
28330	0.5	18,000	Regular	■		■	■		■	■	■	■
28331	0.5	18,000	Extended		■				■			
28332	0.5	4,000	Regular	■		■	■		■	■	■	■
20237	1	20,000	Regular	■		■	■		■	■	■	■
20238	1	18,000	Regular	■		■	■		■	■	■	■
28770	1	18,000	Extended	■		■	■		■	■	■	■
20239	1	12,000	Regular	■		■	■		■	■	■	■
20240	1	8,000	Regular	■		■	■		■	■	■	■

Die Grinder Accessories

3M™ Die Grinder Mandrels 1/4" Shank Diameter

For Use With	Size Pilot Dia. x Pilot Length x Shank Dia.	UPC
Cartridge Rolls	1/8" x 1" x 1/4"	051144-45119-7
Cartridge Rolls	3/16" x 1" x 1/4"	051144-45117-3
Cartridge Rolls	3/16" x 1/2" x 1/4"	051144-45118-0
Cross/Square Pads (and Cross Buffs)	1/4" x 1/4-20 EXT thread	051144-14308-5
Cross/Square Pads (and Cross Buffs)	1/4" x 8-32 EXT thread	051144-14307-8
Cross/Square Pads (and Cross Buffs)	1/4" x 3-48 EXT thread	051141-28385-2

Part No.	For Use With	Size Length x Shank Dia. x Flange Support Dia.	UPC
936	Deburring Wheels/Radial Bristle Discs	2-1/16" x 1/4" x 3/4" (not pictured)	048011-04018-9
990	Deburring Wheels/Radial Bristle Discs	1-3/4" x 1/4"	048011-15012-3
944	Stars	1/4" x 1/4-20 EXT	048011-13928-9
935	Strips/Polishing Rolls	2-7/8" x 1/4"	048011-04020-2



For Cartridge Rolls



For Cross/Square Pads



For Deburring Wheels



For Stars



For Strips/Polishing Rolls

3M™ Forked Spindle

For Use With	Size	UPC
Strips/Polishing Rolls	3" x 1/16" x 1/4"	051144-45121-0



Forked Spindle

3M™ PG Wheel Adapter 81A

For Use With	Size	UPC
T-84 Flap Wheels	1/4-20 INT thread x 1/4" shank	051144-45081-7



81A

3M™ Rubber Cushion Polishing Wheels for Abrasive Bands

Diameter x W x Shaft	Max RPM	UPC
1/4" x 1/2" x 1/8"	23,000	051144-45159-3
1/2" x 1/2" x 1/4"	30,000	051144-45156-2
1/2" x 1" x 1/4"	15,000	051144-45153-1
1/2" x 1-1/2" x 1/4"	15,000	051144-45152-4
3/4" x 1" x 1/4"	17,000	051144-45145-6
3/4" x 1-1/2" x 1/4"	10,000	051144-45144-9
1" x 1" x 1/4"	18,000	051144-45139-5
1" x 1-1/2" x 1/4"	10,000	051144-45138-8
1-1/2" x 1" x 1/4"	14,000	051144-45132-6
1-1/2" x 1-1/2" x 1/4"	10,000	051144-45131-9
1-1/2" x 2" x 1/4"	8,000	051144-45130-2
2" x 1" x 1/4"	11,000	051144-45129-6



3M™ Rubber Slotted Expander Wheels

Part No.	Size	Description	UPC
77717	1" x 1" x 1/4" Shank	For use with 1" x 1" bands	051144-77717-4
77718	1-1/2" x 1" x 1/4" Shank	For use with 1-1/2" x 1" bands	051144-77718-1
77720	2" x 1" x 1/4" Shank	For use with 2" x 1" bands	051144-77720-4
77721	2" x 2" x 1/4" Shank	For use with 2" x 2" bands	051144-77721-1



3M™ Random Orbital Sanders — Elite Series

We took our best line of air-powered 3M™ Random Orbital Sanders and made it better.



Upgrades from Original Series — Improved durability, ergonomics and noise level

- 1 Aluminum housing for added durability and reduced vibration; Durable composite cover helps prevent cracked housings
- 2 **Recessed Lever** eliminates pinch points
- 3 Extended cover with **3M™ Gripping Material** allows better control with reduced effort, insulates from cold and reduces vibration
- 4 Safer **Thumb Wheel** mounted speed control reduces inadvertent speed changes
- 5 Wider port for **more efficient dust capture**
- 6 **Internal Muffler** results in less breakage, SGV 6 dB quieter
- 7 **Integrated Wrist Support** for comfort and leverage
- 8 Clearance for large inlet coupler
- 9 **Center Mount Exhaust** for more finger room, better dust collection airflow

Bold Text = Proprietary 3M Design Feature

Select the orbit that's right for your project



3/32" Diameter Orbit — Chrome Lever
fine finish sanding



3/16" Diameter Orbit — Silver Lever
general purpose sanding



5/16" Diameter Orbit — Black Lever
aggressive sanding



3/8" Diameter Orbit — Gold Lever
most aggressive sanding

Basic ROS Techniques

- 1) Start the tool **ON** the surface; stop the tool **OFF** the surface
- 2) Run the tool flat on work piece (no tipping on edge)
- 3) Light operator hand pressure (let the tool do the work)
- 4) North, south, east, west sanding pattern for a uniform, quality finish

Troubleshooting Checklist

- Check for correct PSI and RPM
- Check airline length, leaks, fitting and inside diameter
- Check tool lubrication schedule
- Look for worn bearings
- Look for damaged disc pad
- Are the tool and disc pad diameter the same?
- Is the lever damaged or the muffler clogged?
- Is the speed control adjuster turned down?

3M™ Random Orbital Sanders — Elite Series

3M™ Elite Non-Vacuum Random Orbital Sanders

- Our top-of-the-line non-vacuum random orbital sanders featuring the latest in 3M innovation



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28494	3 (76)	12,000	0.28 (209)	3/16 (5)	17 (481)	73 (84)	1.5 (.7)	6 (147)	4 (92.5)	Hookit™ 20350	051141-28494-1
87092	3 (76)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	73 (84)	1.3 (.6)	6 (147)	3 (86)	Hookit™ 20350	051125-87092-4
28583	5 (127)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28583-2
28495	5 (127)	12,000	0.28 (209)	5/16 (8)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28495-8
28497	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28497-2
28708	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Hookit™ 20352	051141-28708-9
28498	5 (127)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	74 (85)	1.7 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28498-9
28582	6 (152)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	75 (86)	1.9 (.9)	7 (187)	4 (91)	Stikit™ 20354	051141-28582-5
28499	6 (152)	12,000	0.28 (209)	5/16 (8)	17 (481)	75 (86)	1.9 (.9)	7 (187)	4 (91)	Stikit™ 20354	051141-28499-6
28500	6 (152)	12,000	0.28 (209)	3/16 (5)	17 (481)	75 (86)	1.9 (.8)	7 (187)	4 (91)	Stikit™ 20354	051141-28500-9
28501	6 (152)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	75 (86)	2.1 (1.0)	7 (187)	4 (91)	Stikit™ 20354	051141-28501-6

3M™ Elite Self-Generated Vacuum Random Orbital Sanders*

- Take dust-management to the next level with powerful self-generated vacuum tools
- Featuring 3M patented Clean Sanding system with improved filter bag



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28511	3 (76)	12,000	0.28 (209)	3/16 (5)	17 (481)	85 (96)	1.7 (.8)	8 (209)	4 (93)	Hookit™ 20350	051141-28511-5
28513	3 (76)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	85 (96)	1.4 (.7)	8 (207)	3 (88)	Hookit™ 20350	051141-28513-9
28563	5 (127)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	84 (95)	1.9 (.9)	9 (234)	4 (93)	Hookit™ 20353	051141-28563-4
28512	5 (127)	12,000	0.28 (209)	5/16 (8)	17 (481)	86 (97)	1.9 (.9)	9 (234)	4 (93)	Hookit™ 20353	051141-28512-2
28514	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	86 (97)	1.9 (.9)	9 (234)	4 (93)	Hookit™ 20353	051141-28514-6
28515	5 (127)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	86 (97)	1.8 (.8)	9 (234)	4 (93)	Hookit™ 20353	051141-28515-3
28562	6 (152)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	87 (94)	2.1 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28562-7
28510	6 (152)	12,000	0.28 (209)	5/16 (8)	17 (481)	88 (99)	2.0 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28510-8
28516	6 (152)	12,000	0.28 (209)	3/16 (5)	17 (481)	89 (100)	2.0 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28516-0
28517	6 (152)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	88 (99)	1.9 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28517-7

*One (1) each of the following included: 3M™ Clean Sanding Filter Bag, Filter Bag Adapter, Hose Seal

3M™ Elite Central-Vacuum-Ready Random Orbital Sanders

- Easily attaches to your existing central vacuum system for efficient dust-evacuation



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28503	3 (76)	12,000	0.28 (209)	3/16 (5)	17 (481)	72 (83)	1.8 (.8)	8 (203)	4 (93)	Hookit™ 20350	051141-28503-0
28505	3 (76)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	72 (83)	1.4 (.6)	8 (201)	3 (88)	Hookit™ 20350	051141-28505-4
28561	5 (127)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	73 (84)	1.9 (.9)	9 (227)	4 (93)	Hookit™ 20353	051141-28561-0
28504	5 (127)	12,000	0.28 (209)	5/16 (8)	17 (481)	73 (84)	1.9 (.9)	9 (227)	4 (93)	Hookit™ 20353	051141-28504-7
28506	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	73 (84)	1.8 (.8)	9 (227)	4 (93)	Hookit™ 20353	051141-28506-1
28507	5 (127)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	73 (84)	1.8 (.8)	9 (227)	4 (93)	Hookit™ 20353	051141-28507-8
28560	6 (152)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	76 (87)	2.0 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28560-3
28502	6 (152)	12,000	0.28 (209)	5/16 (8)	17 (481)	76 (87)	2.0 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28502-3
28508	6 (152)	12,000	0.28 (209)	3/16 (5)	17 (481)	76 (87)	2.0 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28508-5
28509	6 (152)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	76 (87)	1.9 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28509-2

NEW

3M™ Random Orbital Sanders — Original Series

3M™ Self-Generated Vacuum Random Orbital Sanders*

- Take dust-management to the next level with powerful self-generated vacuum tools
- Featuring 3M patented Clean Sanding system with improved filter bag



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
20319	5 (127)	12,000	0.24 (179)	3/16 (5)	17 (481)	85 (93)	1.8 (.8)	9 (219)	3 (85)	Hookit™ 20353	051141-20319-5
20208	6 (150)	12,000	0.24 (179)	5/16 (8)	17 (481)	82 (92)	2.0 (.9)	9 (233)	3 (83)	Hookit™ 20356	051141-20208-2
20327	6 (150)	12,000	0.24 (179)	3/16 (5)	17 (481)	83 (92)	2.0 (.9)	9 (231)	3 (85)	Hookit™ 20356	051141-20327-0

*One (1) each of the following included: 3M™ Clean Sanding Filter Bag, Filter Bag Adapter, Hose Seal

3M™ Non-Vacuum Random Orbital Sanders

- Powerful and popular non-vacuum tools meet or exceed highest performance standards



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
20317	5 (127)	12,000	0.24 (179)	3/16 (5)	17 (481)	80 (88)	1.7 (.8)	6 (150)	3 (83)	Stikit™ 20351	051141-20317-1
20324	6 (152)	12,000	0.24 (179)	5/16 (8)	17 (481)	77 (85)	1.8 (.8)	6 (164)	3 (83)	Stikit™ 20354	051141-20324-9
20325	6 (152)	12,000	0.24 (179)	3/16 (5)	17 (481)	79 (83)	1.7 (.8)	6 (162)	3 (83)	Stikit™ 20354	051141-20325-6

Random Orbital Sander Accessories

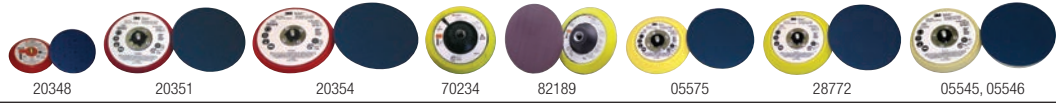
3M™ Hookit™ Clean Sanding Disc Pad Hook Savers



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Ctr. Hole Dia. Inch	Face Color	# of Holes	Use With	Hook Type	UPC	MOQ
28326	15,000	15,000	3 (76)	—	Black	3	PN20350	2	051141-28326-5	20
20444	12,000	12,000	5 (125)	—	Black	44	PN20353	2	051141-20444-4	20
20443	12,000	12,000	5 (125)	3/4	Black	31	PN20206	2	051141-20443-7	20
20446	12,000	12,000	6 (152)	—	Black	52	PN20356	2	051141-20446-8	20
20445	12,000	12,000	6 (152)	3/4	Black	25	PN05865	2	051141-20445-1	20

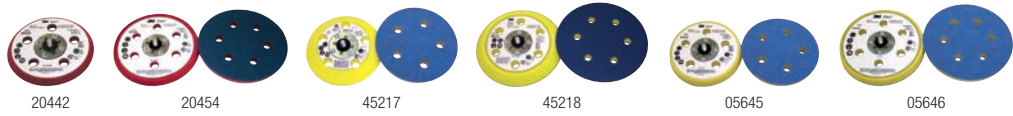
Random Orbital Sander Accessories

3M™ Stikit™ Disc Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	Density Rating	Face Color	UPC	MOQ
Low Profile Disc Pads (Firm)								
20348	15,000	15,000	3 (76)	1/4-20 EXT	Firm	Blue	051141-20348-5	10
20351	12,000	12,000	5 (125)	5/16-24 EXT	Firm	Blue	051141-20351-5	1
20354	12,000	12,000	6 (152)	5/16-24 EXT	Firm	Blue	051141-20354-6	1
Standard Profile Disc Pads (Medium)								
70234	12,000	—	5 (125)	5/8-11 INT	Medium	Blue	051111-55813-3	5
82189	12,000	—	5 (125)	5/8-11 INT	Medium	Red	051144-82189-1	10
05575	10,000	12,000	5 (125)	5/16-24 EXT	Medium	Blue	051144-05575-3	1
28772	10,000	12,000	6 (152)	5/16-24 EXT	Medium	Blue	051141-28772-0	1
Low Profile Finishing Disc Pads (Soft)								
05545	12,000	12,000	5 (125)	5/16-24 EXT	Soft	Blue	051131-05545-2	10
05546	10,000	12,000	6 (152)	5/16-24 EXT	Soft	Blue	051131-05546-9	1

3M™ Stikit™ D/F Disc Pads (Vacuum)



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	# of Holes	Density Rating	Face Color	UPC	MOQ
Low Profile Disc Pads (Firm)									
20442	12,000	12,000	5 (125)	5/16-24 EXT	5	Firm	Blue	051141-20442-0	1
20454	12,000	12,000	6 (152)	5/16-24 EXT	6	Firm	Blue	051141-20454-3	1
Standard Profile Disc Pads (Medium)									
45217	10,000	12,000	5 (125)	5/16-24 EXT	5	Medium	Blue	051144-45217-0	10
45218	10,000	12,000	6 (152)	5/16-24 EXT	6	Medium	Blue	051144-45218-7	10
Low Profile Finishing Disc Pads (Soft)									
05645	12,000	12,000	5 (125)	5/16-24 EXT	5	Soft	Blue	051131-05645-9	10
05646	10,000	12,000	6 (152)	5/16-24 EXT	6	Soft	Blue	051131-05646-6	1

Random Orbital Sander Accessories

3M™ Hookit™ Disc Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	Density Rating	Face Color	Hook Type	UPC	MOQ
Low Profile Disc Pads (Firm)									
20352	12,000	12,000	5 (125)	5/16-24 EXT	Firm	Black	2	051141-20352-2	1
20355	12,000	12,000	6 (152)	5/16-24 EXT	Firm	Black	2	051141-20355-3	10
Standard Profile Disc Pads (Medium)									
85105	12,000	—	5 (125)	5/8-11 INT	Medium	Yellow	1	051144-85105-8	1
85096	12,000	—	5 (125)	5/8-11 INT	Medium	Yellow	1	051144-85096-9	10
05775	12,000	12,000	5 (125)	5/16-24 EXT	Medium	Yellow	1	051131-05775-3	1
70138	12,000	12,000	6 (152)	5/16-24 EXT	Medium	Yellow	1	051141-28209-6	1
Low Profile Finishing Disc Pads (Soft)									
77855	12,000	12,000	5 (125)	5/16-24 EXT	Soft	Yellow	1	051144-77855-3	10

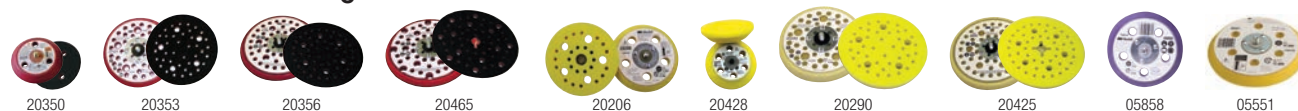
3M™ Hookit™ D/F Disc Pads (Vacuum)



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	# of Holes	Density Rating	Face Color	Hook Type	UPC	MOQ
Standard Profile Disc Pads (Medium)										
82659	12,000	12,000	5 (125)	5/16-24 EXT	5	Medium	Yellow	1	051144-82659-9	10
28411*	12,000	12,000	5 (125)	5/16-24 EXT	5	Medium	Yellow	1	051141-28411-8	10
05876	12,000	12,000	6 (152)	5/16-24 EXT	7	Medium	Yellow	1	051131-05876-7	1
Low Profile Finishing Disc Pads (Soft)										
77856	12,000	12,000	5 (125)	5/16-24 EXT	5	Soft	Yellow	1	051144-77856-0	10

*5" backup pad for 6" Random Orbital Sander

3M™ Hookit™ Clean Sanding Disc Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Ctr. Hole Dia. Inch	Thread Size	# of Holes	Density Rating	Hook Type	UPC	MOQ
Low Profile Disc Pads (Firm)										
20350	15,000	15,000	3 (76)	—	1/4-20 EXT	3	Firm	2	051141-20350-8	10
20353	12,000	12,000	5 (125)	—	5/16-24 EXT	44	Firm	2	051141-20353-9	10
20356	12,000	12,000	6 (152)	—	5/16-24 EXT	52	Firm	2	051141-20356-0	10
20465	12,000	12,000	6 (152)	5/8	5/16-24 EXT	49	Firm	2	051141-20465-9	10
Standard Profile Disc Pads (Medium)										
20206	12,000	12,000	5 (125)	3/4	5/16-24 EXT	31	Medium	1	051141-20206-8	10
Low Profile Finishing Disc Pads (Soft)										
20428	12,000	12,000	3 (76)	—	1/4-20 EXT	6	Soft	1	051141-20428-4	10
20290	12,000	12,000	5 (125)	—	5/16-24 EXT	44	Soft	1	051141-20290-7	10
20425	10,000	12,000	6 (152)	5/8	5/16-24 EXT	52	Soft	1	051141-20425-3	10
Painter's Pads										
05858	12,000	12,000	5 (125)	3/4	5/16-24 EXT	31	Soft	1	051131-05858-3	1
05551	12,000	12,000	6 (152)	3/4	5/16-24 EXT	25	Soft	1	051131-05551-3	1

3M™ Hookit™ Clean Sanding Interface Pads also available. See 3M™ Accessories Catalog.

3M™ Orbital Sanders — Elite Series



3M™ Elite Series Orbital Sanders

- Ideal for sanding in tight areas or on vertical surfaces

Model No.	Tool Size Inch (mm)	Max OPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
Non-Vacuum											
28527	2-3/4 x 7-3/4 (70 x 198)	10,000	0.28 (209)	1/8 (3)	17 (481)	75 (86)	2.1 (1.0)	8 (206)	4 (104)	Hookit™ 28531	051141-28527-6
Self-Generated Vacuum											
28529	2-3/4 x 7-3/4 (70 x 198)	10,000	0.28 (209)	1/8 (3)	17 (481)	86 (97)	2.2 (1.0)	11 (268)	4 (104)	Hookit™ 28531	051141-28529-0

Orbital Sander Accessories

3M™ Stikit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	Density Rating	Face Color	UPC	MOQ
28660	10,000	2-3/4" x 7-3/4"	1/2"	Medium	Blue	051141-28660-0	5

3M™ Hookit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	# of Holes	Density Rating	Hook Type	UPC	MOQ
Clean Sanding								
28531	10,000	70mm x 198mm	12.7mm	56	Medium	1	051141-28531-3	5

3M™ Orbital Sanders — Original Series



3M™ Orbital Sanders

- Ideal for sanding in tight areas or on vertical surfaces

Model No.	Tool Size Inch (mm)	Max OPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
Non-Vacuum											
20331	3 × 4 (75 × 100)	10,000	0.24 (179)	1/8 (3)	17 (481)	73 (81)	1.4 (0.7)	5 (139)	3 (84)	Hookit™ 20433	051141-20331-7
Central-Vacuum-Ready											
20430	3 × 4 (75 × 100)	10,000	0.24 (179)	1/8 (3)	17 (481)	72 (82)	1.5 (0.7)	5 (139)	3 (84)	Clean Sanding Hookit™ 20435	051141-20430-7
Self-Generated Vacuum											
20431	3 × 4 (75 × 100)	10,000	0.24 (179)	1/8 (3)	17 (481)	88 (93)	1.6 (0.7)	6 (142)	3 (84)	Clean Sanding Hookit™ 20435	051141-20431-4

Orbital Sander Accessories

3M™ Stikit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	Density Rating	Face Color	UPC	MOQ
20432	10,000	3" x 4"	1/2"	Medium	Blue	051141-20432-1	10

3M™ Hookit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	# of Holes	Density Rating	Hook Type	UPC	MOQ
20433	10,000	3" x 4"	1/2"	—	Medium	1	051141-20433-8	10
Clean Sanding								
20435	10,000	3" x 4"	1/2"	33	Medium	1	051141-20435-2	10

3M™ Hookit™ Clean Sanding Disc Pad Hook Savers



Part No.	Max OPM	Size	Face Color	# of Holes	Use With	Hook Type	UPC	MOQ
28325	12,000	3" x 4"	Black	33	PN20435	2	051141-28325-8	20

3M™ Random Orbital Sander, 2-Hand



3M™ Random Orbital Sander, 2-Hand

- For extra leverage and power, choose the two-handed 3M™ Random Orbital Sander
- Features a powerful 0.45 HP motor with 3/8" orbit, built-in muffler and rear exhaust

Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Clean Sanding Pad Included	UPC
Central-Vacuum-Ready/Non-Vacuum											
28337	6 (150)	12,000	0.45 (336)	3/8 (9.5)	21 (594)	81 (89)	3 (1.32)	13 (328)	4 (113)	Hookit™ 20356*	051141-28337-1
Self-Generated Vacuum											
28335	6 (150)	12,000	0.45 (336)	3/8 (9.5)	21 (594)	91 (94)	3 (1.32)	13 (328)	4 (113)	Hookit™ 20356*	051141-28335-7

*For 5" sanding using the 2-Hand Sander, use the 5" 3M™ Hookit™ D/F Disc Pad 28411

3M™ Mini Sanders

3M™ Elite Series Mini Orbital Sander

- Longer life vanes and improved skirt attachment system for greater durability
- Exclusive 3M™ Gripping Material cover for operator comfort
- Aluminum body for lighter weight and improved balance
- 3M™ Roloc™ Attachment System for sanding pad and integral tool hanger for increased usability
- Use with 3M™ Trizact™ Finesse-it™ Paint Repair System



Model No.	PSI	Tool Size Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28737	90	1-1/4 x 3/16	8,000	0.48 (358)	1/8 (3)	23 (651)	76 (87)	0.6 (0.3)	8 (193)	4 (104)	Roloc™ 02345 w/Stikit™ Face	051141-28737-9

3M™ Mini-Random Orbital Sander

- Ergonomically designed for operator comfort and control
- Low profile design reduces chance of tipping and undercutting
- Direct mount 3M™ Roloc™ Sanding Pad allows close proximity to the work surface
- Use with 3M™ Trizact™ Finesse-it™ Paint Repair System



Model No.	PSI	Tool Size Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
20244	90	1-1/4 x 3/16	8,000	0.24 (179)	3/16 (5)	15 (425)	73 (80)	1.0 (0.5)	5 (120)	3 (85)	Roloc™ 02345 w/Stikit™ Face	051141-20244-0

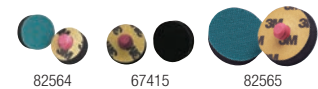
Mini Sander Accessories



3M™ Finesse-it™ Roloc™ Sanding Pads TR

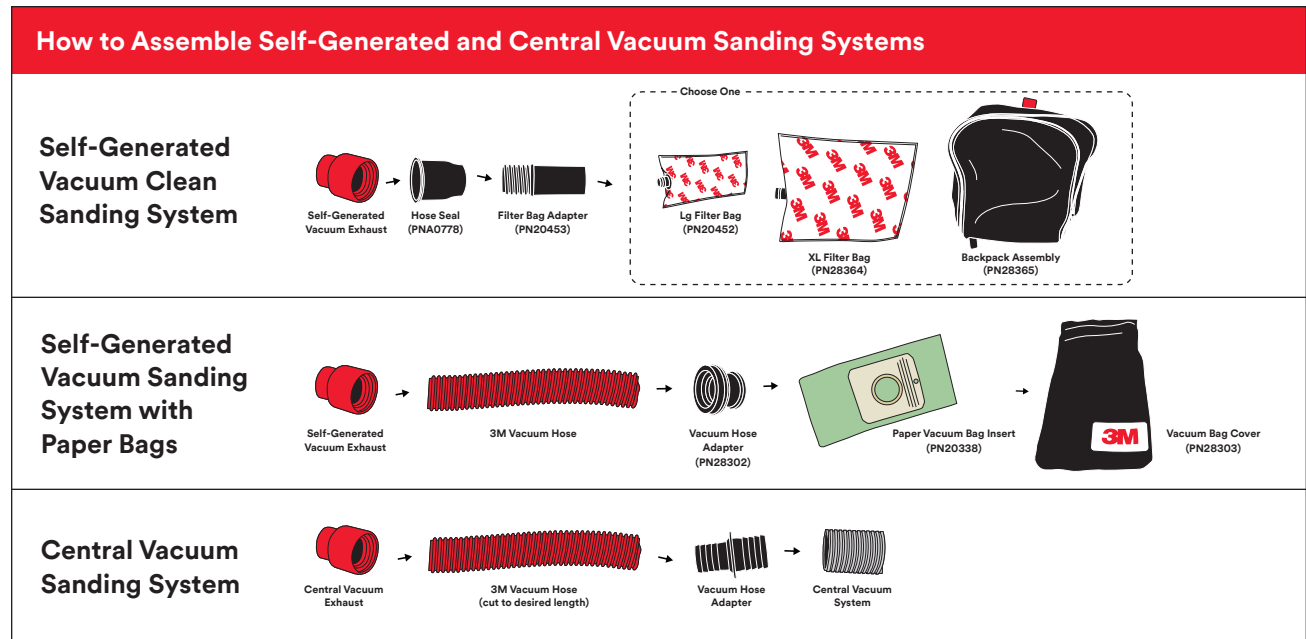
Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Density Rating	Description	UPC	MOQ
02345	10,000	12,000	1-1/4 (32)	Medium	PSA	051111-50198-6	10
02511	10,000	12,000	1-1/4 (32)	Firm	PSA	051111-51150-3	10

3M™ Hookit™ Roloc™ Disc Pads TR



Part No.	Max RPM	Max OPM	Size Inch (mm)	Attachment	Shape	Density Rating	Hook Type	UPC	MOQ
82564	8,000	10,000	1 (25)	TR	15°	Medium	2	051144-82564-6	10
67415	10,000	10,000	1-1/16 (27)	TR	15°	Medium	1	051111-60311-6	20
82565	8,000	10,000	1-1/2 (38)	TR	15°	Medium	2	051144-82565-3	5

Orbital/Random Orbital Sander Accessories



3M™ Clean Sanding Filter Bags and Adapters

Part No.	Description	UPC	MOQ
20452	Large Filter Bag — HEPA-rated (holds up to 0.5 lbs.)	051141-20452-9	50
28364	Extra-Large Filter Bag — HEPA-rated (holds up to 3 lbs.)	051141-28364-7	20
28365	Backpack Assembly (holds PN28364)	051141-28365-4	1
28383	Filter Bag End Cap — 1" Diameter	051141-28383-8	1
20453	Filter Bag Adapter — 1" EXT Hose Thread x 1" Diameter	051141-20453-6	10
A0778	Hose Seal	051115-28146-4	1

3M™ Paper Vacuum Bags and Adapters

Part No.	Description	Size	UPC	MOQ
20338	Paper Vacuum Bag Inserts, Green — Collects dust when using Self-Gen Vacuum Sander	1" INT	051141-20338-6	50
28303	Vacuum Bag Cover — Holds and protects paper vacuum bag inserts (PN20338)	9" x 20"	051141-28303-6	1
28302	Vacuum Hose Adapter — Connects 1" EXT vacuum hose to paper vacuum inserts (PN20338)	1" INT	051141-28302-9	1

3M™ Vacuum Hoses

Part No.	Description	Inner Dia.	Length	Thread	UPC	MOQ
28730	Black, Anti-Static	1"	4 ft.	1" EXT	051141-28730-0	1
28301	Red	1"	6 ft.	1" EXT	051141-28301-2	1
28393	Red	1"	60 ft.	1" EXT	051141-28393-7	1

3M™ Vacuum Hose Adapters

Part No.	End 1	End 2	UPC	MOQ
30442	1" INT Thread	1" INT Thread	051141-30442-7	1
20340	1" INT Thread	1-1/4" INT Thread	051141-20340-9	1
28304	1" EXT Thread	1" Push-On	051141-28304-3	1
30324	1" INT Thread	3/4" Push-On	051141-30324-6	1
20341	1" INT Thread	1-1/2" Push-On	051141-20341-6	1
30441	1" Push-On	1-1/4" Push-On	051141-30441-0	1
30440	1" Push-On	1-1/2" Push-On	051141-30440-3	1
30439	1" Push-On	2" Push-On	051141-30439-7	1



Surface Preparation Tools and Accessories

3M™ Buffers

3M™ Buffers

- Available in rotary or random orbital motions and in multiple sizes
- Excellent choice for a variety of repairs on different substrates across a wide range of industries — from paint and clear coat to lacquered wood, solid surface to acrylic



Model No.	PSI	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	UPC
28333	90	3 (75)	11,000	0.26 (194)	1/2 (12)	19 (538)	78 (87)	1.8 (0.8)	9 (233)	4 (99.6)	1/4" NPT	051141-28333-3
28631	90	3 (75)	3,500	0.26 (194)	Rotary	17 (481)	80 (87)	2.1 (0.9)	9 (233)	5 (114)	1/4" NPT	051141-28631-0
28392	90	5 (127)	10,000	0.45 (336)	3/8 (10)	21 (595)	77 (88)	2.9 (1.3)	13 (328)	4 (113)	1/4" NPT	051141-28392-0
28354	90	3 (75)	2,200	0.45 (336)	Rotary	22 (683)	80 (88)	1.8 (0.8)	5 (132)	5 (136)	1/4" NPT	051141-28354-8
28769	90	3 (77)	12,000	0.28 (209)	1/2 (12)	17 (481)	79 (90)	1.5 (0.7)	5.8 (147)	3.6 (92.5)	1/4" NPT	051141-28769-0

Buffer Accessories

3M™ Finesse-it™ Buffing Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Description	UPC	MOQ
02648	12,000	12,000	3-1/4 (83)	Orange Foam; White Loop	051111-51151-0	10
02637	12,000	12,000	3-3/4 (95)	Orange Foam; White Loop	051111-51158-9	50
02362	12,000	12,000	5-1/4 (133)	Orange Foam; White Loop	051111-51076-6	10
20271	12,000	12,000	3-3/4 (95)	White Foam; White Loop	051141-20271-6	10
85099	—	—	3 (76)	White Wool; Knit II; 11/16" Pile Height	051144-85099-0	10
81470	—	—	3 (76)	White Wool; Natural; 20mm	051144-81470-1	10
NEW 28878	12,000	12,000	3-1/4 (83)	Gray Foam; Waffle Face	051141-28878-9	50
NEW 28879	12,000	12,000	3-3/4 (95)	Gray Foam; Waffle Face	051141-28879-6	50
NEW 28880	12,000	12,000	5-1/4 (133)	Gray Foam; Waffle Face	051141-28880-2	50
NEW 28873	12,000	12,000	3-1/2 (89)	Gray Foam; Flat Face	051141-28873-4	50
NEW 87391	10,000	12,000	5-1/4 (133)	Gray Foam, Flat Face	051125-87391-8	50
NEW 28869	12,000	12,000	3-1/4 (83)	Green Foam; Waffle Face	051141-28869-7	50
NEW 28870	12,000	12,000	3-3/4 (95)	Green Foam; Waffle Face	051141-28870-3	50
NEW 28871	12,000	12,000	5-1/4 (133)	Green Foam; Waffle Face	051141-28871-0	50
NEW 28872	12,000	12,000	3-1/2 (89)	Green Foam; Flat Face	051141-28872-7	50
NEW 28874	12,000	12,000	3-1/4 (83)	Red Foam; Waffle Face	051141-28874-1	50
NEW 28875	12,000	12,000	3-3/4 (95)	Red Foam; Waffle Face	051141-28875-8	50
NEW 28876	12,000	12,000	5-1/4 (133)	Red Foam; Waffle Face	051141-28876-5	50
NEW 28877	12,000	12,000	3-1/2 (89)	Red Foam; Flat Face	051141-28877-2	50

Buffer Accessories



3M™ Buffer Backup Pads

Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	# of Holes	Density Rating	Hook Type	For Use With	UPC	MOQ
28472	15,000	15,000	3 (76)	1/4-20 EXT	—	Firm	2	3M™ R/O Buffers — 3"	051141-28472-9	5
84226	12,000	12,000	5 (125)	5/16-24 EXT	5	Soft	1	3M™ R/O Buffers — 5"	051111-51042-1	10
20427	15,000	15,000	3 (76)	Several adapters provided	6	Medium	1	3M™ Pistol Grip Tools	051141-20427-7	10



3M™ Finesse-it™ Polish

Part No.	Size	Description	Cut	Finish	UPC	MOQ
28791	8 oz	Compounding Material	1 Most Aggressive	7 Coarsest Finish	051141-28791-1	4
28792	8 oz	Finishing Material	2	6	051141-28792-8	4
28793	8 oz	K211	4	3	051141-28793-5	4
28794	8 oz	Extra Fine	5	4	051141-28794-2	4
28795	8 oz	Purple	3	5	051141-28795-9	4
28796	8 oz	Final Finish Gray	6	2	051141-28796-6	4
28797	8 oz	Ultra Fine	7 Least Aggressive	1 Finest Finish	051141-28797-3	4

Also available in larger containers.

3M™ Power Tool Repair and Refurbish Service

For tools that fall outside the manufacturer's warranty (e.g. after the warranty period has expired, or when the damage is due to use and wear), 3M is pleased to offer the 3M™ Power Tool Repair and Refurbish Service. 3M™ Power Tool Repair Experts will perform a full diagnostic analysis, replace any worn parts, and restore the tool to excellent working condition, all for one flat rate. Available for all 3M™ Power Tools except pistol grip tools 28547, 28353 and 28354; 3M Body Repair Tools 33573, 33575, 33579, 33581 and 33577; 3M™ PPS™ SUN GUN™ II 16550; and 3M™ Polisher 28363. Program highlights include:

- Fast turnaround (5 days + shipping time)
- Tool is rebuilt by the 3M™ Power Tool Repair Experts in Cumberland, Wisconsin
- Flat rate includes return shipping
- 90 day warranty on repaired tool

For more information, contact your 3M sales professional or call 1-800-362-3550 (choose option 3, then option 5 which will put you in direct contact with the 3M™ Power Tools Repair Facility).

Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
3M™ Non-Vacuum Random Orbital Sanders (Gen I)	60-4402-5335-3	60-4401-7960-8	20250	3 in; 3/16 in orbit
	60-4402-5324-7	60-4401-2686-4	20314	3 in; 3/32 in orbit
	60-4402-5337-9	60-4401-7963-2	20253	5 in; 5/16 in orbit
	60-4402-5203-3	60-4401-2689-8	20317	5 in; 3/16 in orbit
	60-4402-2692-2	60-4401-2692-2	20320	5 in; 3/32 in orbit
	60-4402-5205-8	60-4401-2696-3	20324	6 in; 5/16 in orbit
	60-4402-5206-6	60-4401-2697-1	20325	6 in; 3/16 in orbit
	60-4402-5332-0	60-4401-2700-3	20328	6 in; 3/32 in orbit
3M™ Self-Generated Vacuum Random Orbital Sanders (Gen I)	60-4402-5224-9	60-4401-7962-4	20252	3 in; 3/16 in orbit
	60-4402-5326-2	60-4401-2688-0	20316	3 in; 3/32 in orbit
	60-4402-5338-7	60-4401-7965-7	20255	5 in; 5/16 in orbit
	60-4402-5204-1	60-4401-2691-4	20319	5 in; 3/16 in orbit
	60-4402-5330-4	60-4401-2694-8	20322	5 in; 3/32 in orbit
	60-4402-5212-4	60-4401-7907-9	20208	6 in; 5/16 in orbit
	60-4402-5207-4	60-4401-2699-7	20327	6 in; 3/16 in orbit
	60-4402-5333-8	60-4401-2702-9	20330	6 in; 3/32 in orbit
3M™ Central-Vacuum-Ready Random Orbital Sanders (Gen I)	60-4402-5336-1	60-4401-7961-6	20251	3 in; 3/16 in orbit
	60-4402-5325-4	60-4401-2687-2	20315	3 in; 3/32 in orbit
	60-4402-5225-6	60-4401-7964-0	20254	5 in; 5/16 in orbit
	60-4402-5327-0	60-4401-2690-6	20318	5 in; 3/16 in orbit
	60-4402-5329-6	60-4401-2693-0	20321	5 in; 3/32 in orbit
	60-4402-5334-6	60-4401-7912-9	20213	6 in; 5/16 in orbit
	60-4402-5331-2	60-4401-2698-9	20326	6 in; 3/16 in orbit
	60-4402-5208-2	60-4401-2701-1	20329	6 in; 3/32 in orbit
3M™ Mini Random Orbital Nib Sander	60-4402-5223-1	60-4402-4195-2	20244	1-1/4 in; 3/16 in orbit

Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
3M™ Die Grinders	60-4402-5219-9	60-4401-7945-9	20237	1 HP; 1/4 in collet; 20,000 RPM
	60-4402-5220-7	60-4401-7946-7	20238	1 HP; 1/4 in collet; 18,000 RPM
	60-4402-5229-8	60-4402-3632-5	28330	0.5 HP; 1/4 in collet; 18,000 RPM
	60-4402-5221-5	60-4401-7947-5	20239	1 HP; 1/4 in collet; 12,000 RPM
	60-4402-5222-3	60-4401-7948-3	20240	1 HP; 1/4 in collet; 8,000 RPM
	60-4402-5230-6	60-4402-3633-3	28331	0.5 HP; 1/4 in collet; 18,000 RPM; 3 in EXT
	60-4402-5231-4	60-4402-3634-1	28332	0.5 HP; 1/4 in collet; 4,000 RPM
	60-4402-5340-3	60-4402-4102-8	28770	1 HP; 1/4 in collet; 18,000 RPM
	60-4402-5312-2	60-4402-3949-3	28627	0.3 HP; 18,000 RPM
	60-4402-5313-0	60-4402-3950-1	28628	0.3 HP; Extended; 18,000 RPM
	60-4402-5314-8	60-4402-3951-9	28629	0.3 HP; 25,000 RPM
	60-4402-5315-5	60-4402-3952-7	28630	0.3 HP; Extended; 25,000 RPM
3M™ Inline Sanders	60-4402-5237-1	60-4402-3640-8	28338	1 HP; 5/8–11 EXT shaft
	60-4402-5238-9	60-4402-3641-6	28339	1 HP; 5/8–11 EXT shaft
3M™ Cut-Off Wheel Tools	60-4402-5215-7	60-4401-7941-8	20233	3 in; 1 HP; 25,000 RPM
	60-4402-5216-5	60-4401-7942-6	20234	4 in; 1 HP; 20,000 RPM
	60-4402-5217-3	60-4401-7943-4	20235	5 in; 1 HP; 12,000 RPM
	60-4402-5218-1	60-4401-7944-2	20236	6 in; 1 HP; 10,000 RPM
	60-4402-5341-1	60-4402-4103-6	28771	4 in; 1 HP; 19,000 RPM
	60-4402-4226-5	60-4402-4211-7	28826	4-1/2–5 in; 1.5 HP; 12,000 RPM
3M™ Disc Sanders	60-4402-5227-2	60-4402-3630-9	28328	2 in; 0.3 HP; 12,000 RPM
	60-4402-5228-0	60-4402-3631-7	28329	2 in; 0.5 HP; 12,000 RPM
	60-4402-5226-4	60-4402-3629-1	28341	2 in; 0.3 HP; 20,000 RPM (Replaces 20230)
	60-4402-5213-2	60-4401-7939-2	20231	2 in; 0.5 HP; 20,000 RPM
	60-4402-5214-0	60-4401-7940-0	20232	3 in; 1 HP; 15,000 RPM
3M™ Buffers	60-4402-5339-5	60-4402-4101-0	28769	3 in; Palm Buffer
	60-4402-5232-2	60-4402-4196-0	28333	3 in
	NO REFURB	60-4401-2649-2	08125	3 in; use 28333 for replacement
	NO REFURB	60-4402-3665-5	28363	3 in; use 28333 for replacement
3M™ Random Orbital Sanders, Two Hand	60-4402-5234-8	60-4402-4119-2	28335	6 in; Self Gen Vac; 3/8 in orbit
	60-4402-5236-3	60-4402-4270-3	28337	6 in; Non-Vac/Central Vac; 3/8 in orbit
3M™ Mini Orbital Sander	NO REFURB	60-4300-5087-6	03125	1-1/4 in; use 28737 for replacement
	60-4402-4232-3	60-4402-4064-0	28737	Replaces 3125

Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
3M™ Orbital Sanders	60-4402-5209-0	60-4401-2703-7	20331	3 in x 4 in; Non-Vac; 10,000 RPM
	60-4402-5210-8	60-4401-2804-3	20430	3 in x 4 in; Central Vac; 10,000 RPM
	60-4402-5211-6	60-4401-2805-0	20431	3 in x 4 in; Self-Gen Vac; 10,000 RPM
3M™ Electric Non-Vacuum Random Orbital Sanders	60-4402-5261-1	60-4402-3731-5	28426	5 in; 3/32 in orbit
	60-4402-5262-9	60-4402-3732-3	28427	5 in; 3/16 in orbit
	60-4402-5263-7	60-4402-3733-1	28428	6 in; 3/32 in orbit
	60-4402-5264-5	60-4402-3734-9	28429	6 in; 3/16 in orbit
3M™ Electric Central-Vacuum-Ready Random Orbital Sanders	60-4402-5265-2	60-4402-3735-6	28430	5 in; 3/32 in orbit
	60-4402-5266-0	60-4402-3736-4	28431	5 in; 3/16 in orbit
	60-4402-5267-8	60-4402-3737-2	28432	6 in; 3/32 in orbit
3M™ Electric Non-Vacuum Random Orbital Sander Kits	60-4402-5268-6	60-4402-3738-0	28433	6 in; 3/16 in orbit
	60-4402-5297-5	60-4402-3840-4	28523	5 in; 3/32 in orbit, Kit
	60-4402-5298-3	60-4402-3841-2	28524	5 in; 3/16 in orbit, Kit
	60-4402-5299-1	60-4402-4168-9	28525	6 in; 3/32 in orbit, Kit
3M™ Electric Central-Vacuum-Ready Random Orbital Sander Kits	60-4402-5300-7	60-4402-4169-7	28526	6 in; 3/16 in orbit, Kit
	60-4402-5293-4	60-4402-3836-2	28519	5 in; 3/32 in orbit, Kit
	60-4402-5294-2	60-4402-3837-0	28520	5 in; 3/16 in orbit, Kit
	60-4402-5295-9	60-4402-3838-8	28521	6 in; 3/32 in orbit, Kit
	60-4402-5296-7	60-4402-4167-1	28522	6 in; 3/16 in orbit, Kit

Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
3M™ Non-Vacuum Random Orbital Sanders — Elite Series	60-4402-5271-0	60-4100-1358-9	28496/87092	3 in; 3/32 in orbit
	60-4402-5269-4	60-4100-1356-3	28494	3 in; 3/16 in orbit
	60-4402-5270-2	60-4100-1357-1	28495	5 in; 5/16 in orbit
	60-4402-5272-8	60-4100-1359-7	28497	5 in; 3/16 in orbit
	60-4402-5322-1	60-4100-1390-2	28708	5 in; 3/16 in orbit with 3M™ Hookit™ Backup Pad
	60-4402-5273-6	60-4100-1360-5	28498	5 in; 3/32 in orbit
	60-4402-5310-6	60-4100-1385-2	28583	5 in; 3/8 in orbit
	60-4402-5274-4	60-4100-1361-3	28499	6 in; 5/16 in orbit
	60-4402-5275-1	60-4100-1362-1	28500	6 in; 3/16 in orbit
	60-4402-5276-9	60-4100-1363-9	28501	6 in; 3/32 in orbit
	60-4402-5309-8	60-4100-1384-5	28582	6 in; 3/8 in orbit
	60-4402-5318-9	60-4100-1386-0	28701	6 in; 5/16 orbit with 3M™ Hookit™ Backup Pad
	60-4402-5320-5	60-4100-1388-6	28703	6 in; 3/16 orbit with 3M™ Hookit™ Backup Pad
3M™ Central-Vacuum-Ready Random Orbital Sanders — Elite Series	60-4402-5280-1	60-4100-1367-0	28505	3 in; 3/32 in orbit
	60-4402-5278-5	60-4100-1365-4	28503	3 in; 3/16 in orbit
	60-4402-5282-7	60-4100-1369-6	28507	5 in; 3/32 in orbit
	60-4402-5281-9	60-4100-1368-8	28506	5 in; 3/16 in orbit
	60-4402-5279-3	60-4100-1366-2	28504	5 in; 5/16 in orbit
	60-4402-5306-4	60-4100-1381-1	28561	5 in; 3/8 in orbit
	60-4402-5284-3	60-4100-1371-2	28509	6 in; 3/32 in orbit
	60-4402-5283-5	60-4100-1370-4	28508	6 in; 3/16 in orbit
	60-4402-5277-7	60-4100-1364-7	28502	6 in; 5/16 in orbit
	60-4402-5305-6	60-4100-1380-3	28560	6 in; 3/8 in orbit
3M™ Self-Generated Vacuum Random Orbital Sanders — Elite Series	60-4402-5288-4	60-4100-1375-3	28513	3 in; 3/32 in orbit
	60-4402-5286-8	60-4100-1373-8	28511	3 in; 3/16 in orbit
	60-4402-5290-0	60-4100-1377-9	28515	5 in; 3/32 in orbit
	60-4402-5289-2	60-4100-1376-1	28514	5 in; 3/16 in orbit
	60-4402-5287-6	60-4100-1374-6	28512	5 in; 5/16 in orbit
	60-4402-5308-0	60-4100-1383-7	28563	5 in; 3/8 in orbit
	60-4402-5292-6	60-4100-1379-5	28517	6 in; 3/32 in orbit
	60-4402-5291-8	60-4100-1378-7	28516	6 in; 3/16 in orbit
	60-4402-5321-3	60-4100-1389-4	28704	6 in; 3/16 in orbit with 3M™ Hookit™ Backup Pad
	60-4402-5285-0	60-4100-1372-0	28510	6 in; 5/16 in orbit
	60-4402-5319-7	60-4100-1387-8	28702	6 in; 5/16 in orbit with 3M™ Hookit™ Backup Pad
60-4402-5307-2	60-4100-1382-9	28562	6 in; 3/8 in orbit	
3M™ Cut-Off Wheel Tool Extended	60-4402-5257-9	60-4402-3712-5	28407	1 HP; 4 in; 3/8-24 EXT

Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
3M™ Sanders	60-4402-5258-7	60-4402-3713-3	28408	1 HP; 4–5 in; 5/8-11 EXT
	60-4402-5311-4	60-4402-3944-4	28622	1 HP; Extended; 4–5 in; 5/8–11 EXT
	60-4402-4225-7	60-4402-4210-9	28825	1.5 HP; 12,000 RPM
3M™ Random Orbital Buffer	60-4402-5254-6	60-4402-4121-8	28392	5 in diameter; 10mm orbit
3M™ Orbital Sander — Elite Series	60-4402-5301-5	60-4402-3844-6	28527	70mm x 198mm Non-Vacuum 1/8 in Orbit
	60-4402-5302-3	60-4402-3845-3	28528	70mm x 198mm Central Vacuum 1/8 in Orbit
	60-4402-5303-1	60-4402-3847-9	28529	70mm x 198mm Self-Generated Vacuum 1/8 in Orbit
3M™ File Belt Sander	60-4402-5242-1	60-4402-3668-9	28366	0.6 HP
3M™ Electric Variable Speed Polisher	60-4402-5253-8	60-4402-3694-5	28391	7 in; 11A; 5/8–11 EXT
3M™ Grinders	60-4402-5255-3	60-4402-3708-3	28403	1 HP; T27; 4 in; 3/8–24 EXT
	60-4402-5256-1	60-4402-3710-9	28405	1 HP; T27; 4-1/2 in; 5/8–11 EXT
	60-4402-5259-5	60-4402-3718-2	28413	1 HP; Extended; T27; 4 in; 3/8–24 EXT
	60-4402-5260-3	60-4402-3719-0	28414	1 HP; Extended; T27; 4-1/2 in; 5/8–11 EXT
	60-4402-4224-0	60-4402-4209-1	28824	1.5 HP; 12,000 RPM
3M™ Pneumatic Rotary Buffer	60-4402-5316-3	60-4402-3953-5	28631	3 in
3M™ Match and Finish Sander	60-4402-5317-1	60-4402-3980-8	28659	1 HP; 3,500 RPM
3M™ Sander/Buffer	60-4402-5342-9	60-4402-4105-1	28773	1 HP; 3,500 RPM
3M™ Die Grinders (Gen II, Black Housing)	60-4402-5229-8	60-4402-4250-5	28330	0.5 HP; 1/4 in collet; 18,000 RPM
	60-4402-5230-6	60-4402-4251-3	28331	0.5 HP; 1/4 in collet 18,000 RPM; 3 in EXT
	60-4402-5231-4	60-4402-4252-1	28332	0.5 HP; 1/4 in collet; 4,000 RPM
	60-4402-5312-2	60-4402-4246-3	28627	0.3 HP; 18,000 RPM
	60-4402-5313-0	60-4402-4247-1	28628	0.3 HP; Extended; 18,000 RPM
	60-4402-5314-8	60-4402-4248-9	28629	0.3 HP; 25,000 RPM
	60-4402-5315-5	60-4402-4249-7	28630	0.3 HP; Extended; 25,000 RPM
3M™ Disc Sanders (Gen II, Black Housing)	60-4402-5227-2	60-4402-4243-0	28328	2 in; 0.3 HP; 12,000 RPM
	60-4402-5228-0	60-4402-4245-5	28329	2 in; 0.5 HP; 12,000 RPM
	60-4402-5226-4	60-4402-4242-2	28341	2 in; 0.3 HP; 20,000 RPM (Replaces 20230)
	60-4402-5213-2	60-4402-4244-8	20231	2 in; 0.5 HP; 20,000 RPM

General Pneumatic Tool Accessories

3M™ Air Line Extensions — 300 PSI Rated



Part No.	Inside Diameter	Length	Description	Air Inlet Thread	UPC	MOQ
25119	3/8"	5"	Mini	1/4" NPT	051141-25119-6	10
20209	3/8"	4 ft.	—	1/4" NPT	051141-20209-9	1
55180	—	—	Swivel Quick Change Connector	1/4" NPT EXT	051141-55180-7	1

3M™ Air Tool and Compressor Lubricants



Part No.	Size	Description	UPC	MOQ
20466	Quart*	Air Tool and Compressor Lubricant	051141-20466-6	12
20467	Gallon*	Air Tool and Compressor Lubricant	051141-20467-3	4
20451	4 fl. oz. (118mL)	Air Tool Lubricant	051141-20451-2	12
28828	1 fl. oz.	Air Tool Lubricant	051141-28828-4	24

*Available as special order, ships within 4 days.

Gear Oil

Part No.	Size	Description	UPC	Case Quantity
28827	4 oz.	Replacement Part for 3M™ Sander/Grinder, 1.5 HP. Use to lubricate gears.	051141-28827-7	6

Scotch® 48 Thread Sealant and Lubricant Tape

Part No.	Description	Size	UPC	MOQ
06195	Seals and lubricates threaded connections	1/2" x 260"	054007-06195-3	12



General Sanding Tips

Technical Recommendations for 3M™ Air-Powered Tools

- Use a clean, dry, lubricated air supply that will give a measured air pressure at the tool of 6.2 bar (90 psig) when the tool is running with the lever fully depressed.
Note: Tools can be run at lower pressures, **but should never be run higher than 6.2 bar (90 psig)**. If run at a lower pressure, the performance of the tool is reduced.
- Use an approved 10mm x 8m (3/8" x 25 ft.) or 13mm x 8m (1/2" x 25 ft.) maximum length air line.
- Connect the tool to the air supply.
- It is strongly recommended that an air filter, regulator and lubricator (FRL) be used to supply clean, lubricated air at the correct pressure to the tool. If such equipment is not used, the tool should be manually lubricated.

To Manually Lubricate the Tool

- Disconnect the air line and put 2–3 drops of suitable pneumatic motor lubricating oil, such as 3M™ Air Tool Lubricant 20451, into the hose end (inlet) of the tool.
- Reconnect tool to the air supply and tap the lever to allow air to circulate the oil. Lubricate at end of day and allow oil to penetrate over night for best results.
- Lubricate daily if the tool is used frequently or if the tool starts to slow or lose power.



Air Basics

To optimize compressed air output and delivery:

- 90 psi under load — use your gauge
- 3/8" (10mm) minimum air line inside diameter
- Use minimum length of airline hose necessary; no more than 25 ft. (8m)
- High flow air fittings:
 - 3/16" marginal
 - 7/32" better
 - 9/32" best
- Observe compressed air demand throughout the plant
- Maximum working air pressure 6.2 bar (90 psig)

Metalworking Tool Accessories

3M™ Wrench, Spanner



Part No.	Size	Description	UPC	Case Quantity
54105	4mm x 30mm B.C.	Replacement Part for 3M™ Sander/Grinder (1.5 HP); Used to tighten/loosen flange nut	051141-54105-1	1

3M™ Rebuild Kits



Part No.	Description	UPC	Case Quantity
54106	Special tools needed to disassemble and reassemble 1.5 HP 3M™ Power Tools	051141-54106-8	1
54107	Replacement parts most likely needed to rebuild the 1.5 HP 3M™ Power Tools	051141-54107-5	1

Optional Grinder Guards

- Optional guard allows 4" grinder to run larger, thicker 4-1/2" fibre and flap discs



Model No.	Size	For Use With Tool	Required Accessories	UPC
54062	4-1/2" Standard	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54062-7
54063	4-1/2" Jumbo	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54063-4
54064	4-1/2"	3M™ Cut-Off Wheels, 1.5 HP — 4.5"– 5" (Model No. 28826)	Accessories with 5/8–11 INT threads	051141-54064-1
54065	5" Standard	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54065-8
54066	5" Jumbo	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54066-5
54067	5"	3M™ Cut-Off Wheels, 1.5 HP — 4.5"– 5" (Model No. 28826)	Accessories with 5/8–11 INT threads	051141-54067-2

3M™ Overhose Kit and Replacement Sleeve

- Designed for 0.3 HP metalworking tools

Part No.	Description	UPC	MOQ
28651	Kit Contains: Air Line Extension (PN20209), Adapter (PN20453), Over Hose Cloth Sleeve, Exhaust Spacer, Air Inlet Bushing, Instruction Sheet	051141-28651-8	1 Kit
28652	Overhose Replacement Sleeve — 1-1/2" x 4 ft.	051141-28652-5	5



File Belt Sander Accessories



3M™ File Belt Sander Platen Pad Material

Part No.	Size Inches	For Use With	Description	UPC	Case Quantity
28377	1/2 × 7 × 1/8	1/2" wide belts	Soft	051141-28377-7	10
28378	3/4 × 7 × 1/8	5/8" or 3/4" wide belts	Soft	051141-28378-4	10
28379	1/2 × 7 × 1/8	1/2" wide belts	Hard	051141-28379-1	10
28380	3/4 × 7 × 1/8	5/8" or 3/4" wide belts	Hard	051141-28380-7	10
28381	1/2 × 7 × 1/32	1/2" wide belts	Thin	051141-28381-4	10
28382	3/4 × 7 × 1/32	5/8" or 3/4" wide belts	Thin	051141-28382-1	10
28726	15-3/4 × 11-13/16	Can be cut to fit any belt size arm	Soft	051141-28726-3	10

3M™ File Belt Arm Service Tool Kit

Part No.	Description	UPC	Case Quantity
30670	Contains Wheel Positioning Block, Shaft Removal Tool, 2 Bearing Removal Tools, Bearing Mount Tool, Bearing Tool and Retaining Compound	051141-30670-4	1



30670

3M™ File Belt Attachment Arm Repair Kits

- Kits contain: Contact wheel, bearing, shaft and platen pad if applicable
- 3M™ File Belt Arm Service Tool Kit (PN30670) recommended for use with repair kits

Attachment Arm Repair Kit Part No.	For Use With Attachment Arm Part No.
30663	28368
30667	28369
30668	28370
30664	28371
30666	28372
30665	28373
30662	28374
30669	28375



30663



30667



30668



30664



30666



30665



30662



30669

Orbital/Random Orbital Sander Accessories

3M™ Service Tool Kit

Part No.	Description	UPC	MOQ
20215	Contains all of the special tools needed to disassemble and reassemble the 3M™ Orbital and Random Orbital Sanders	051141-20215-0	1



3M™ Orbital/Random Orbital Sander Drop In Motors



Part No.	Tool Size Inch (mm)	Orbit Diameter Inch (mm)	Description	UPC	MOQ
28318	1-1/4 (32)	3/16 (5)	Mini	051141-28318-0	1
30445	3 (76)	1/2 (12)	for Original ROS	051141-30445-8	1
20216	3 (76)	3/32 (2.5)	for Original ROS	051141-20216-7	1
20217	3 (76)	3/16 (5)	for Original ROS	051141-20217-4	1
20218	5 (127)	3/32 (2.5)	for Original ROS	051141-20218-1	1
01811	5 (127)	3/16 (5)	for Original ROS	051122-01811-4	1
20256	5 (127)	5/16 (8)	for Original ROS	051141-20256-3	1
01812	6 (150)	3/32 (2.5)	for Original ROS	051122-01812-1	1
20221	6 (150)	3/16 (5)	for Original ROS	051141-20221-1	1
20222	6 (150)	5/16 (8)	for Original ROS	051141-20222-8	1
30443	6 (150)	3/16 (5)	Two-Hand	051141-30443-4	1
28868	6 (150)	3/8 (10)	Two-Hand	051141-28868-1	1
20223	3 × 4 (76 × 100)	1/8 (3.2)	for Original ROS	051141-20223-5	1
55434	5 (127)	3/32 (2.5)	for Electric ROS	051141-55434-1	1
55435	5 (127)	3/16 (5)	for Electric ROS	051141-55435-8	1
55436	6 (150)	3/32 (2.5)	for Electric ROS	051141-55436-5	1
55437	6 (150)	3/16 (5)	for Electric ROS	051141-55437-2	1
28605	3 (76)	3/32 (2.5)	for Elite ROS	051141-28605-1	1
28606	3 (76)	3/32 (2.5)	for Elite ROS	051141-28606-8	1
28607	5 (127)	3/32 (2.5)	for Elite ROS	051141-28607-5	1
28608	5 (127)	3/16 (5)	for Elite ROS	051141-28608-2	1
28609	5 (127)	5/16 (8)	for Elite ROS	051141-28609-9	1
28610	5 (127)	3/8 (10)	for Elite ROS	051141-28610-5	1
28611	6 (150)	3/32 (2.5)	for Elite ROS	051141-28611-2	1
28612	6 (150)	3/16 (5)	for Elite ROS	051141-28612-9	1
28613	6 (150)	5/16 (8)	for Elite ROS	051141-28613-6	1
28614	6 (150)	3/8 (10)	for Elite ROS	051141-28614-3	1
44503	5 (127)	3/8 (10)	for 28392	076308-44503-4	1

3M™ Random Orbital Sander Grips — Elite and Original Series

Part No.	Sander Series	Size	Diameter	UPC
55204	Elite Series	Small	2-1/2"	051141-55204-0
55205	Elite Series	Medium	2-3/4" (Standard on Tool)	051141-55205-7
55206	Elite Series	Large	3"	051141-55206-4
20342	Original Series	Small	2-1/2"	051141-20342-3
20343	Original Series	Medium	2-3/4" (Standard on Tool)	051141-20343-0
20344	Original Series	Large	3"	051141-20344-7



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Safety Precautions

1. Read all instructions before using. All operators must be fully trained in tool usage and be aware of these safety rules.
2. The Tool Max RPM should be checked on a regular basis to ensure proper operating speed.
3. Make sure the tool is disconnected from the air supply. Select a suitable abrasive and secure it to the disc pad or spindle. Be careful to center the abrasive on the disc pad.
4. Always wear required safety equipment.
5. Always remove the air supply to the tool before fitting, adjusting or removing the abrasive or disc pad.
6. Always adopt a firm footing and grip and be aware of torque reaction developed by the tool.
7. Use only 3M approved spare parts.
8. Always ensure the material being worked is firmly fixed to avoid movement.
9. Check hose and fittings regularly for wear. Do not carry the tool by its hose; always be careful to prevent the tool from being started when carrying the tool with the air supply connected.
10. Dust can be highly combustible.
11. If tool is serviced or rebuilt, check to ensure that the maximum tool RPM is not exceeded and that there is no excessive tool vibration.
12. Do not exceed maximum recommended air pressure. Use safety equipment as recommended.
13. Prior to installing any shaft mounted abrasive or sanding or grinding accessory, always check that its marked maximum operating speed is equal or higher than the rated speed of this tool.
14. The tool is not electrically insulated. Do not use where there is a possibility of contact with live electricity, gas pipes, and/or water pipes.
15. The tool is not protected against hazards inherent in cutting operations, and no such cutting products should ever be attached.
16. Take care to avoid entanglement with the moving parts of the tool with clothing, ties, hair, cleaning rags or loose hanging objects. If entangled, stop air supply immediately to avoid contact with moving tool parts.
17. Keep hands clear of the spinning pad or spindle during use.
18. If the tool appears to malfunction, remove from use immediately and arrange for service and repair.
19. Do not allow the tool to free spin without taking precautions to protect any persons or objects from the loss of the abrasive or pad rupture.
20. Immediately release the start handle in the event of any disruption of pressure; do not attempt to re-start until the disruption has been corrected.
21. When tool is not in use, store in a clean, dry environment free of debris.
22. Recycle or dispose of tool according to Local, State and Federal regulations.
23. Operators and maintenance personnel should be able to handle the bulk, weight and power of the tool.
24. For overhead work, wear a safety helmet.
25. Be aware that the tool will continue to run for a short period of time after the release of the start handle.
26. Operators should adopt a comfortable posture whilst maintaining a secure footing and avoiding awkward or off-balance postures. Operators should change posture during extended tasks; this can help avoid discomfort and fatigue.
27. Slips, trips and falls are major causes of workplace injury. Be aware of slippery surfaces caused by the tool or surrounding work area and also of the trip hazards associated with air lines.
28. Proceed with care in unfamiliar surroundings. There can be hidden hazards such as electricity lines or gas pipes.
29. Whipping hoses can cause severe injury.
30. Whenever universal twist couplings (claw couplings) are used, lock pins shall be installed and whip check safety cables shall be used to safe guard against a possible hose-to-tool connection failure.

Optimize Results With 3M™ Power Tools

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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For warranty and repair service, call 1-800-362-3550 (choose option 3, then option 5)

3M™ Power Tool Warranty

Warranty and Limited Remedy: 3M warrants this tool against defects in workmanship and materials under normal operating conditions for one (1) year from the date of purchase. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. User must operate the tool in accordance with all applicable operating instructions, safety precautions, and other procedures stated in the operating manual to be entitled to warranty coverage. 3M shall have no obligation to repair or replace any tool or part that fails due to normal wear, inadequate or improper maintenance, inadequate cleaning, non-lubrication, improper operating environment, improper utilities, operator error or misuse, alteration or modification, mishandling, lack of reasonable care, or due to any accidental cause. If a tool or any part thereof is defective within this warranty period, your exclusive remedy and 3M's sole obligation will be, at 3M's option, to repair or replace the tool or refund the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Submitting a Warranty Claim: Contact your dealer when submitting a warranty claim in accordance with the restrictions listed above. Please note that all warranty claims are subject to manufacturer's approval. Be sure to keep your sales receipt in a safe place. This must be submitted when filing a warranty claim, within 1 year from the date of purchase. For additional assistance call 1-800-362-3550 (choose option 3, then option 5).

The full line of 3M™ Accessories is available in the Accessories for Abrasive Products catalog.



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